

ABSTRACT

A flexible conduit for conveying cryogenic fluids has a metal inner tube and a metal outer tube. A strip-shaped spacer member is made of a material of low thermal conductivity, which is spirally wound on the inner tube such that it contacts both the inner and outer tubes. The strip-shaped spacer member is twisted about its own axis and includes a metal that is stable with respect to high-energy radiation and has a thermal conductivity of less than $25 \text{ W/m}\cdot\text{K}$ and a tensile strength of more than 240 MPa .